FEDERAL ITEM IDENTIFICATION GUIDE

SPECIAL INDUSTRY MACHINERY

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
BRIDGE, FIXED	14191	AA

A structure erected over a waterway, ravine or road, for the passing of persons, animals, railroads or vehicles. It is supported on stationary piers. Excludes BRIDGE, SUSPENSION.

CORE PLATE, FOUNDRY	15918	EA

A flat plate designed to hold cores during baking; it may have drilled or perforated holes. The plate may be reinforced on one side with steel angles and/or supported by legs to overcome warping or distortion when in use. May include tongs used to handle the core plate.

DISTRIBUTION GROUP, HELIUM	68120	AB

An assemblage of one or more pressure vessels and associated hardware items used to store, transport and provide gaseous helium. It may be trailer mounted and include ancillary equipment.

GENERATING AND CHARGING PLANT, HYDROGEN-CARBON DIOXIDE, SEMITRAILER MOUNTED	13785	BA

A mobile unit designed to produce a constant flow of hydrogen and/or carbon dioxide, by the methanol-water method, and charge it into container(s).

GENERATING AND CHARGING PLANT, OXYGEN-NITROGEN, SEMITRAILER MOUNTED	13786	BA

A mobile unit designed to produce a continuous supply of nitrogen and/or oxygen, and charge it into container(s).

GENERATING AND CHARGING PLANT, OXYGEN-NITROGEN, TRAILER MOUNTED	33077	BA

A mobile unit designed to produce a continuous supply of nitrogen and/or oxygen, and charge it into container(s). Excludes GENERATING AND CHARGING PLANT, OXYGEN-NITROGEN, SEMITRAILER MOUNTED.

GENERATING PLANT, OXYGEN-NITROGEN, SEMI-TRAILER MOUNTED	13787	BA

Excludes GENERATING AND CHARGING PLANT, OXYGEN-NITROGEN, SEMITRAILER MOUNTED.

Approved Item Name	INC	App Key
RECHARGING UNIT, CARBON DIOXIDE, PUMPING METHOD	08641	AB

A unit with a power-driven pump supplied with or without racks. One is used for holding a carbon dioxide supply cylinder, the other is used for holding a carbon dioxide fire extinguisher.

RECHARGING UNIT, HYDROGEN	68184	AB

A mobile or stationary unit that can control and reload one or more containers of hydrogen from a source containing HYDROGEN, TECHNICAL such as a bottle or the like.

RECHARGING UNIT, MONOBROMOTRIFLUOROMETHANE, PUMPING METHOD	08642	AB

A unit with a power-driven pump designed to draw the fire retardant gas (commonly known as HALON) from a container or tank and return an onboard container or tank back to required levels of the agent and pressure.

SHANK, LADLE BOWL	16795	DA

Excludes SHANK, CRUCIBLE

SIEVE, FOUNDRY	05316	CA

A screen-like item operated manually, for removing large particles of sand or foreign material from foundry sand.

Tank

1. A receptacle or structure, varying in design to contain a liquid or a gas. Use with modifiers denoting kind of contained fluid, such as fuel, oil ballast and items or installations for which designed, such as aircraft and locomotives.

TANK (1), STORAGE, LIQUID ARGON-NITROGEN-OXYGEN	13533	AA

An insulated metal tank for the storage and/or transportation of liquid argon or liquid nitrogen or liquid oxygen. It may be equipped with a vacuum pump for the insulated space and/or a liquid pump for the removal of the stored liquified gas. Excludes TANK, LIQUID GAS and TANK, LIQUID STORAGE.

TRANSFER UNIT, LIQUID OXYGEN	47389	AB

An item used to move the substance from cryogenic tanks to one or more supply systems simultaneously.

APPLICABILITY KEY INDEX

	AA	AB
NAME	X	X
ASZD	X	
AXEL	AR	AR
ASMQ	AR	AR
BFDM	AR	AR
BFDP	AR	AR
AKDJ	AR	AR
AHZX	AR	AR
ACDC	AR	AR
ELEC	AR	AR
ACZB	AR	AR
FAAZ	AR	AR
BFDQ	AR	AR
ADLE	AR	AR
BFNR		AR
BBXF		AR
BFNS		AR
AKYD		X
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
ELCD	AR	AR
AFJK	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

	BA
NAME	X
BFNT	X
BFNW	X
BFNX	X
ACDC	AR
AMSE	AR
ACZB	AR
FAAZ	AR
BFNY	X
AKDJ	AR
BFNZ	X
AJJY	X
AJJZ	AR
AJKA	AR
AJKB	AR
AKYN	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
CXCY	AR

	CA
NAME	X
ADNM	X
BFPB	X
BFPC	X
BFPD	X
CQQS	X
BFPF	X
AGUC	AR
AGXZ	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
CXCY	AR

	DA
NAME	X
STYL	X
APQB	X
BFPG	X
BFPH	X
AGUC	AR
AGXZ	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
CXCY	AR

	EA
NAME	X
MATL	X
ABRY	AR
ABGL	AR
ABMZ	AR
ABNM	AR
ABKW	AR
BFPJ	X
BFPK	AR
BFPL	X
ADZK	AR
AZNY	X
AAUB	AR
ABRF	AR
BFPM	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
AFJK	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZV	AR
CXCY	AR

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13533*)

AA			
	ASZD	J	LOAD RATING

Definition: THE RATED LOAD THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASZDJAFA500.0*; ASZDJCCAl892.5*; ASZDJAFB400.0$$JAFC550.0*)

For items that do not require a rating, change the Mode Code to K enter Reply Code N. (e.g., ASZDKN*)

Table 1

REPLY CODE	REPLY (AG67)
AF	GALLONS
CC	LITERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	AXEL	D	PUMP TYPE

Definition: INDICATES THE TYPE OF PUMP PROVIDED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXELDD*; AXELDE$DF*)

For multiple types, use OR ($) Coding. (e.g., AXELDE$DF)*

REPLY CODE	REPLY (AA80)
Z	ANY ACCEPTABLE
D	CENTRIFUGAL
E	RECIPROCATING
F	ROTARY

NOTE FOR MRCS ASMQ, BFDM, BFDP, AKDJ, AHZX, ACDC, ELEC, ACZB, FAAZ, BFDQ, AND ADLE: FOR MULTIPLE REPLIES, USE OR CODING ($), ENTERING IN THE SAME SEQUENCE AS MRC AXEL.

ALL* (See Note Above)

ASMQ D PUMP DESIGN

Definition: THE FUNCTIONAL DESIGN OF THE PUMP.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ASMQDAD; ASMQDAD$DAE*)*

REPLY CODE	REPLY (AL86)
AD	LIQUID
AE	VACUUM

ALL* (See Note Preceding MRC ASMQ)

BFDM J PUMP CAPACITY

Definition: THE RATED CAPACITY OF THE PUMP.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BFDMJEKA100.0; BFDMJCCB100.0$$JCCC120.0*)*

Table 1

REPLY CODE	REPLY (AG67)
EK	CUBIC FEET PER MINUTE
DQ	GALLONS PER HOUR
CC	GALLONS PER MINUTE

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ASMQ)

BFDP B OPERATING SPEED IN RPM

Definition: THE RATED SPEED OF THE ITEM, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., BFDPB2500.0)*

ALL* (See Note Preceding MRC ASMQ)

AKDJ D PRIME MOVER TYPE

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAD; AKDJDAD$DAE*)*

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AG27)
AD	ELECTRIC MOTOR
AE	GASOLINE ENGINE

NOTE FOR MRCS AHZX, ACDC, ELEC, ACZB, FAAZ, AND BFDQ: IF REPLY CODE AD IS ENTERED FOR MRC AKDJ, REPLY TO MRCS AHZX, ACDC, ELEC, ACZB, FAAZ, AND BFDQ AS APPLICABLE.

ALL* (See Note Above And Preceding MRC ASMQ)

AHZX B PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB1.000*;

ALL* (See Note Preceding MRCs ASMQ and AHZX)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB; ACDCDB$DC*)*

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL* (See Note Preceding MRCs ASMQ and AHZX)

APP Key	MRC	Mode Code	Requirements
	ELEC	B	VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB12.0; ELECB220.0$440.0*)*

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ELECKN*)

ALL* (See Note Preceding MRCs ASMQ and AHZX)

	ACZB	J	FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0; ACZBJEB50.0$$JEC60.0*)*

Table 1

REPLY CODE	REPLY (AC32)
E	HERTZ
K	KILOHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRCs ASMQ and AHZX)

	FAAZ	D	PHASE

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB; FAAZDA$DC*)*

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL* (See Note Preceding MRCs ASMQ and AHZX)

BFDQ B ELECTRIC MOTOR OPERATING SPEED IN RPM

Definition: THE RATED SPEED OF THE ELECTRIC MOTOR, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., BFDQB1750.0)*

ALL* (See Note Preceding MRC ASMQ)

ADLE J VACUUM RATING

Definition: THE ULTIMATE MAXIMUM VACUUM, EXPRESSED IN TERMS OF ABSOLUTE PRESSURE, THAT MAY BE PRODUCED BY OR APPLIED TO AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ADLEJB10.0*;

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC43)
B	MICRONS MERCURY
D	MILLIMETERS MERCURY
C	MILLIMICRONS MERCURY

AB*

BFNR D RACK TYPE

Definition: INDICATES THE TYPE OF RACK PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFNRDATP*)

For multiple types, use OR ($). (e.g., BFNRDATP$DATQ)*

REPLY CODE	REPLY (AK54)
ATP	FIRE EXTINGUISHER
ATQ	SUPPLY CYLINDER

NOTE FOR MRCS BBXF AND BFNS: IF REPLY CODE ATQ IS ENTERED FOR MRC BFNR, REPLY TO MRCS BBXF AND BFNS. IF REPLY CODE ATP IS ENTERED FOR MRC BFNR,REPLY TO MRC BFNS ONLY. FOR MULTIPLE REPLIES, USE OR ($) CODING.

AB* (See Note Above)

BBXF D TILTING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A TILTING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBXFDB; BBXFDB$DC*)*

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AB* (See Note Preceding MRC BBXF)

BFNS A CYLINDER QUANTITY ACCOMMODATED

Definition: THE NUMBER OF CYLINDERS THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the numeric value. (e.g., BFNSA1; BFNSA1$A2*)*

AB

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND QUANTITY OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGHOSES, 6 FT COUPLINGS, 2*)

Separate multiple replies with a semicolon and optional replies with an "OR". (e.g., AKYDGTRANSPARENT TUBE; HOSE, 4 FT*; AKYDGHOSE, 2 FT OR TUBE*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13785*)

ALL			
	BFNT	D	VAN TYPE BODY

Definition: AN INDICATION OF WHETHER OR NOT A VAN TYPE BODY IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFNTDB*; BFNTDB$DC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL			
	BFNW	D	DOLLY

Definition: AN INDICATION OF WHETHER OF NOT A DOLLY IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFNWDB*; BFNWDB$DC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

ALL			
	BFNX	D	COMPRESSOR PRIME MOVER TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE COMPRESSOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFNXDAD*)

For multiple types and optional types, use OR coding ($). (e.g., BFNXDAC$DAE)*

REPLY CODE	REPLY (AG27)
AC	DIESEL ENGINE
AD	ELECTRIC MOTOR
AE	GASOLINE ENGINE

NOTE FOR MRCS ACDC, AMSE, ACZB, AND FAAZ: IF REPLY CODE AD IS ENTERED FOR MRC BFNX, REPLY TO MRCS ACDC, AMSE, ACZB, AND FAAZ. FOR MULTIPLE REPLIES, USE SECONDARY ADDRESS CODING. FOR OPTIONAL REPLIES USE OR CODING ($), ENTERING IN THE SAME SEQUENCE AS MRC BFNX.

ALL* (See Note Above)

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB$DC)*

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL* (See Note Preceding MRC ACDC)

APP Key	MRC	Mode Code	Requirements
	AMSE	J	VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA220.0*;

AMSE1AJVA220.0*

AMSE1BJVB110.0$$JVC220.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AMSEKN*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ACDC)

	ACZB	J	FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0; ACZBJEB50.0$$JEC60.0*)*

Table 1

REPLY CODE	REPLY (AC32)
E	HERTZ
K	KILOHERTZ

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ACDC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB; FAAZDB$DC*)*

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL

BFNY D ELECTRIC GENERATOR

Definition: AN INDICATION OF WHETHER OR NOT AN ELECTRIC GENERATOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFNYDB*; BFNYDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AKDJ: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC BFNY.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

AKDJ D PRIME MOVER TYPE

Definition: INDICATES THE TYPE OF PRIME MOVER INCLUDED WITH THE UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKDJDAE*; AKDJDAC$DAE*)

REPLY CODE	REPLY (AG27)
AC	DIESEL ENGINE
AE	GASOLINE ENGINE

ALL

BFNZ J GAS GENERATING CAPACITY AND TYPE

Definition: INDICATES THE AMOUNT AND TYPE OF GAS THE ITEM CAN GENERATE.

Reply Instructions: Enter the applicable Reply Codes from the table below, and Appendix A , Table 2, followed by the numeric value. (e.g., BFNZJEPAS156.0*)

REPLY CODE	REPLY (AG67)
EM	CUBIC FEET PER HOUR
LN	GALLONS PER HOUR
EN	POUNDS PER DAY
EP	POUNDS PER HOUR
EQ	TONS PER DAY

ALL

AJJY A DOCUMENT SOURCE

Definition: THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE GOVERNMENT AGENCY, INDUSTRIAL ORGANIZATION, OR OTHER SOURCE, WHICH CONTROLS THE DOCUMENT.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code. (e.g., AJJYA12345*)

APP Key	MRC	Mode Code	Requirements

ALL*

AJJZ D DOCUMENT TYPE

Definition: THE TYPE OF DOCUMENT AS INDICATED BY THE TITLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJJZDAB*; AJJZDAB$DAC*)

REPLY CODE	REPLY (AF70)
AE	FEDERAL SPECIFICATION
AC	MILITARY SPECIFICATION
AF	MILITARY STANDARD
AB	TECHNICAL MANUAL
AD	TRAINING MANUAL

ALL*

AJKA A DOCUMENT IDENTIFICATION

Definition: THE NUMBER OR SYMBOL USED TO IDENTIFY THE DOCUMENT.

Reply Instructions: Enter the number.

(e.g., AJKAAMIL-F-1234*;

AJKAATM-5-225*)

ALL*

AJKB A COMPONENT DOCUMENT PAGE NUMBER

Definition: THE PAGE NUMBER INDICATING THE LOCATION OF THE COMPONENT(S) LISTED IN THE DOCUMENT.

Reply Instructions: Enter the page number. (e.g., AJKBA119*)

ALL

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

APP Key	MRC	Mode Code	Requirements
			Reply Instructions: Enter the reply in clear text. (e.g., AKYNGNUT, 1*) Separate multiple replies with a semicolon and optional replies with the word OR. (e.g., AKYNGNUT, 1; BOLT, 2*; AKYNGSCREW, 2 OR BOLT, 1*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED05316*)

ALL			
	ADNM	D	FRAME MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE FRAME IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADNMDWD0000*; ADNMDME0000$$DPC0000*; ADNMDME0000$DWD0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
ME0000	METAL
PC0000	PLASTIC
WD0000	WOOD

ALL			
	BFPB	J	FRAME DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A FRAME, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BFPBJAA18.000*; BFPBJLA457.2*; BFPBJAB17.000$$JAC19.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BFPC J FRAME DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON A FRAME, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BFPCJAA4.000*; BFPCJLA101.6*; BFPCJAB3.500$$JAC4.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BFPD D SCREEN MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE SCREEN IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFPDDST0000*; BFPDBR0000$$DST0597*; BFPDDBR0000$DST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
BR0000	BRASS
ST0000	STEEL
ST0597	STEEL, GALVANIZED

APP Key	MRC	Mode Code	Requirements
ALL			
	CQQS	J	MESH QUANTITY

Definition: THE NUMBER OF MESH PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., CQQSJC8*; CQQSJC6$JC8*; CQQSJD8*)

REPLY CODE	REPLY (AB39)
D	PER CENTIMETER
C	PER INCH

ALL

BFPF	J	REINFORCEMENT WIRE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A REINFORCEMENT WIRE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BFPFJAA0.032*; BFPFJLA0.8*; BFPFJAB0.030$$JAC0.035*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AGUC	A	UNIT PACKAGE QUANTITY

Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the quantity. (e.g., AGUCA24*; AGUCA20$A24*)

APP Key	MRC	Mode Code	Requirements

If not packaged for issue, do not reply to this requirement.

ALL*

AGXZ D UNIT PACKAGE TYPE

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAB*; AGXZDAB$DAJ*)

REPLY CODE	REPLY (AE96)
AB	BOX
AJ	CARTON

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16795*)

ALL			
	STYL	L	STYLE DESIGNATOR

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group A. (e.g., STYLL1*)

ALL			
	APQB	D	UNIT TYPE

Definition: INDICATES THE TYPE OF UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQBDAMD*; APQBDAMD$DAGJ*)

REPLY CODE	REPLY (AK95)
AMD	PIPE
AGJ	SOLID

ALL			
	BFPG	J	LADLE BOWL CAPACITY FOR WHICH DESIGNED

Definition: THE CAPACITY OF THE LADLE BOWL FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BFPGJAS50.0*; BFPGJAJ22.7*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AG67)
AJ	KILOGRAMS
AS	POUNDS

ALL

BFPH D FLUTED BAND

Definition: AN INDICATION OF WHETHER OR NOT A FLUTED BAND IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFPHDB*; BFPHDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

AGUC A UNIT PACKAGE QUANTITY

Definition: THE NUMBER OF ITEMS CONTAINED IN THE UNIT PACKAGE.

Reply Instructions: Enter the quantity. (e.g., AGUCA2*)

ALL*

AGXZ D UNIT PACKAGE TYPE

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAB*; AGXZDAB$DAJ*)

REPLY CODE	REPLY (AE96)
AB	BOX
AJ	CARTON

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15918*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., MATLDST0000*; MATLDAS0000$$DST0000*; MATLDAS0000$DST0000*)

REPLY CODE	REPLY (AD09)
A	ANY ACCEPTABLE
AS0000	ASBESTOS
ST0000	STEEL

ALL*			
	ABRY	J	LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA0.250*; ABRYJLA6.3*; ABRYJAB0.125$$JAC0.375*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA30.030*; ABGLJLA0.7*; ABGLJAB30.000$$JAC30.060*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA12.000*; ABMZJLA304.8*; ABMZJAB11.500$$JAC12.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABNM J THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA0.026*; ABNMJLA0.6*; ABNMJAB0.020$$JAC0.030*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, if the item is reinforced and/or leg type. (e.g., ABKWJAA2.500*; ABKWJLA63.5*; ABKWJAB2.125$$JAC2.675*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BFPJ D TONGS

Definition: AN INDICATION OF WHETHER OR NOT TONGS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFPJDB*; BFPJDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

BFPK A TONGS QUANTITY

Definition: THE NUMBER OF TONGS INCLUDED.

Reply Instructions: Enter the quantity. (e.g., BFPKA4*; BFPKA2$A4*)

ALL

BFPL >L TONGS STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE TONGS.

Reply Instructions: Enter the applicable style number from Appendix B , Reference Drawing Group B. (e.g., BFPLL8*)

ALL*

ADZK D STRENGTHENING FEATURE

Definition: AN INTEGRAL FEATURE OF THE ITEM WHICH STRENGTHENS AND/OR STIFFENS THE BASIC MATERIAL.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADZKDBD*; ADZKDBC$$DBD*; ADZKDBC$DBD*)

REPLY CODE	REPLY (AC71)
BC	LEG SUPPORTS
BD	REINFORCED

ALL

AZNY D DRILLED HOLE

Definition: AN INDICATION OF WHETHER OR NOT A DRILLED HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZNYDB*; AZNYDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRCS AAUB AND ABRF: IF REPLY CODE B IS ENTERED FOR MRC AZNY, REPLY TO MRCS AAUB AND ABRF.

ALL* (See Note Above)

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA0.500*; AAUBJLA12.7*; AAUBJAB0.375$$JAC0.725*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

ABRF J CENTER TO CENTER DISTANCE BETWEEN HOLES

Definition: THE CENTER TO CENTER DISTANCE BETWEEN HOLES ON THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRFDJAA4.000*; ABRFJLA101.6*; ARBFJAB3.500$$JAC4.125*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BFPM D ROUNDED CORNERS

Definition: AN INDICATION OF WHETHER OR NOT ROUNDED CORNERS ARE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFPMDB*; BFPMDB$DC*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB3.000*; AFJKJC49.17*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL			
	SUPP	G	SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES BY AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL			
	FCLS	A	FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL			
	FTLD	G	FUNCTIONAL DESCRIPTION

APP Key	MRC	Mode Code	Requirements

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

ALL

TMDN A TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

APP Key	MRC	Mode Code	Requirements
			Definition: INDICATE THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300. Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day. (e.g., NTRDA80-05-28*)
ALL			
	ZZZV	G	FSC APPLICATION DATA
			Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY. Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)
ALL*			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM. Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY

REPLY CODE	REPLY (AD08)
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 2 - GAS TYPES

GAS TYPES

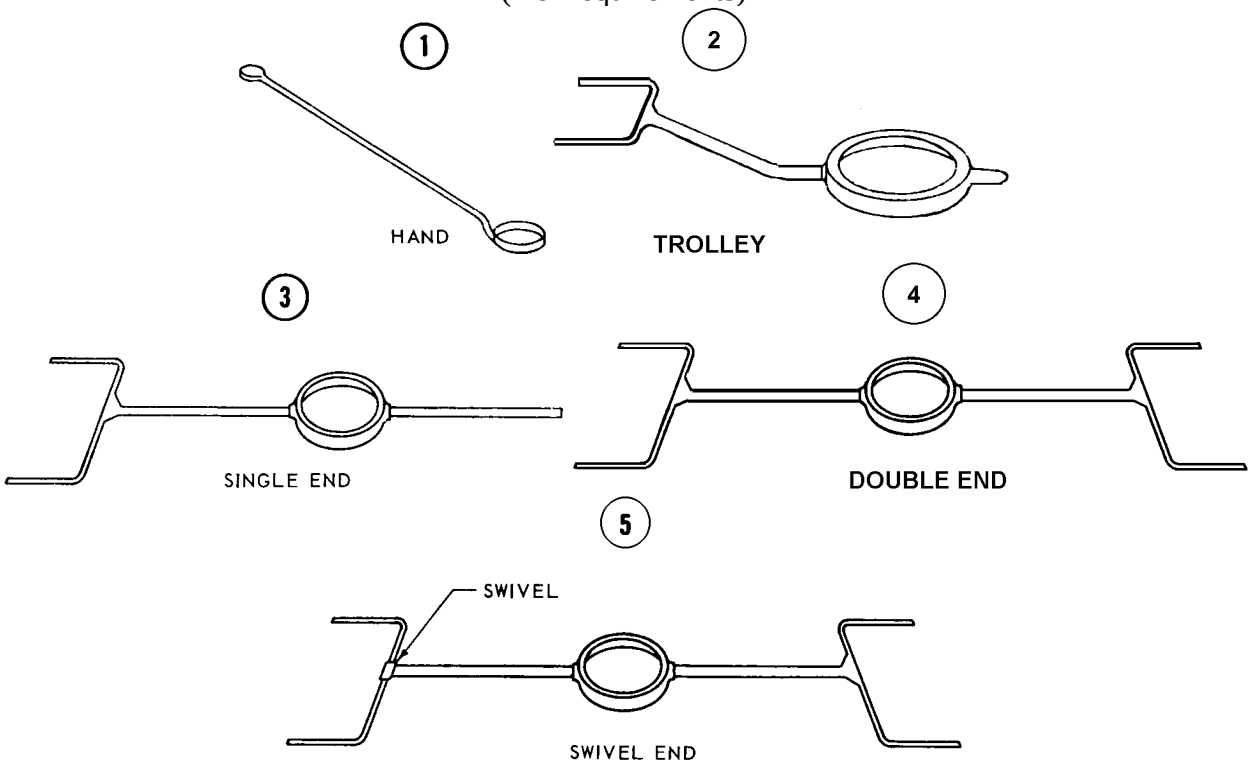
REPLY CODE	REPLY (AB75)
AS	CARBON DIOXIDE
BT	HYDROGEN
CG	NITROGEN
TB	NITROGEN, HIGH PURITY
TC	NITROGEN, HIGH PURITY GASEOUS
CJ	NITROGEN, LIQUID
TD	NITROGEN, PURE LIQUID
CM	OXYGEN
CN	OXYGEN, GASEOUS
TE	OXYGEN, HIGH PURITY GASEOUS
TF	OXYGEN, HIGH PURITY LIQUID
CP	OXYGEN, LIQUID

Reference Drawing Groups

REFERENCE DRAWING GROUP A

CRUCIBLE AND LADLE BOWL SHANKS

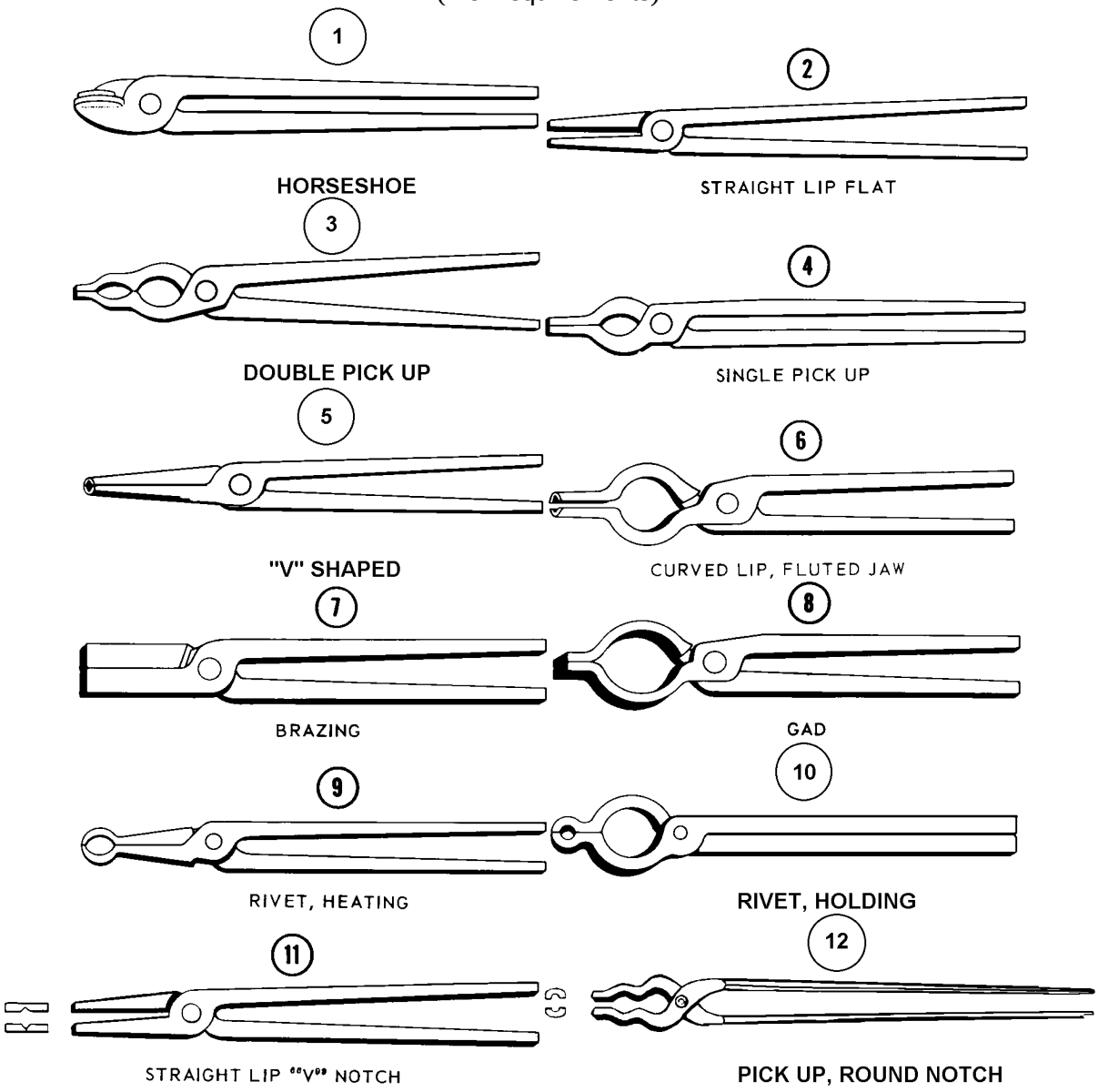
(No Requirements)



REFERENCE DRAWING GROUP B

BLACKSMITH'S TONGS

(No Requirements)



Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective May 7, 2010.

This change replaced with ISAC or and/or coding.